

Item 8

Water Use Efficiency Evaluation Report

Information Item

California Bay-Delta Authority

June 15, 2006

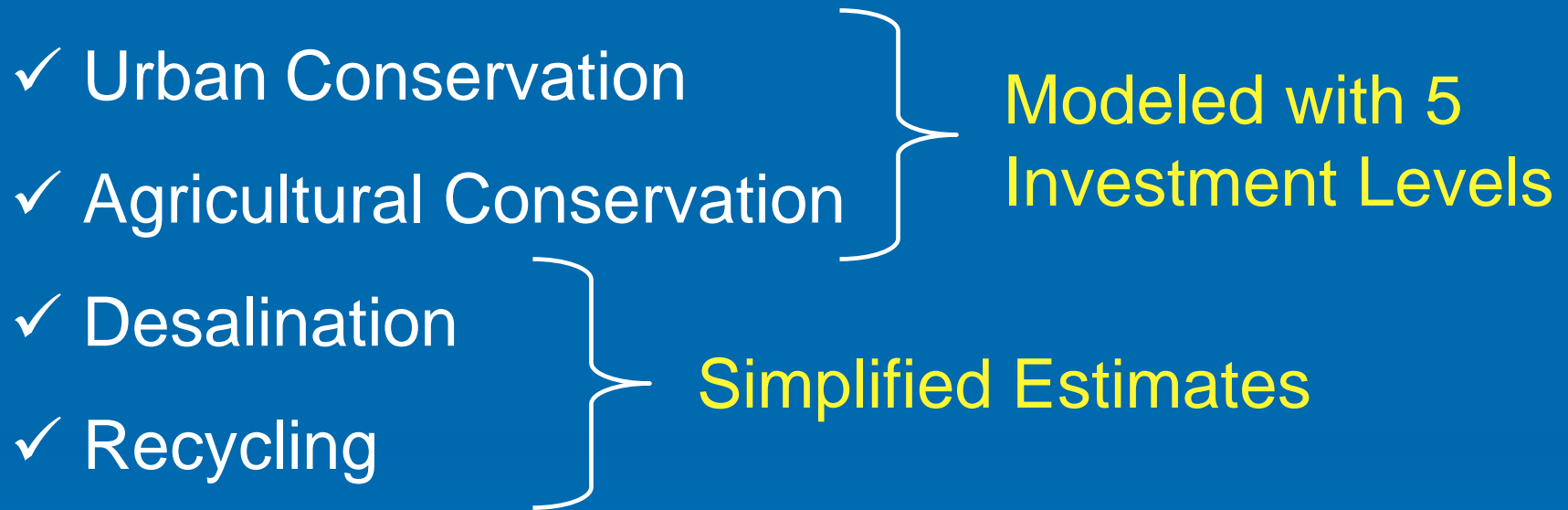
Water Use Efficiency Comprehensive Evaluation

Presentation of the Public Review Draft

California Bay-Delta Authority
June 15th, 2006

The background of the slide is a solid blue color. In the bottom right corner, there are several concentric white circles of varying sizes, resembling ripples on water. These ripples are centered around the bottom right corner and extend towards the center of the slide.

Comprehensive Evaluation Components



- Look Back at Past Activities
- Look Forward Projection of Potential
- Synthesis & Recommendations

Comprehensive Evaluation

- A Word About Data -



Urban Conservation – Good Data (from CUWCC)



Agricultural Conservation – Limited Data



Recycling – Hardly any Data



Desalination – Virtually NO Data

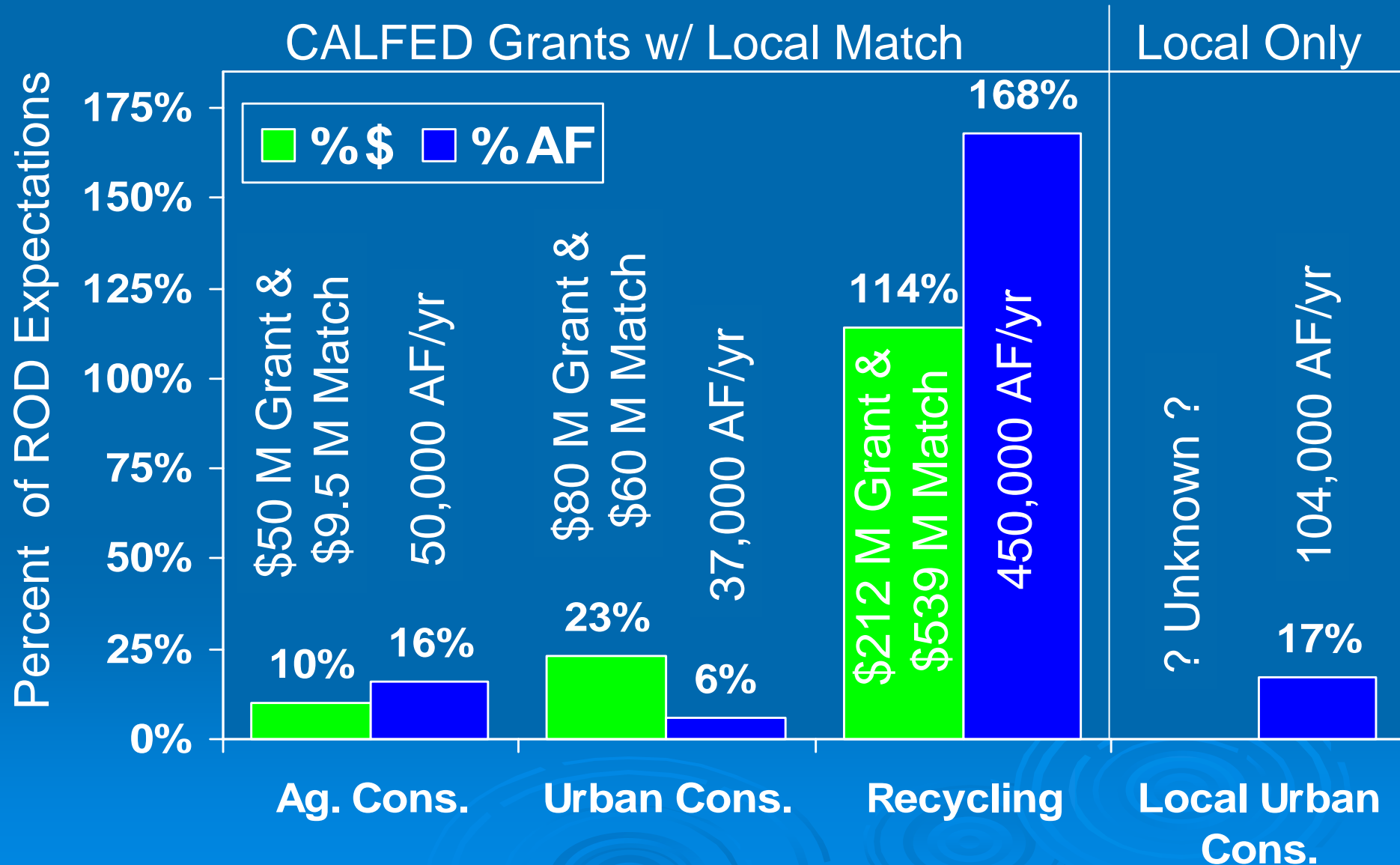
Participants

- CBDA - Staff and consultants
- Implementing agencies - DWR Office of Water Use Efficiency, USBR - Water Conservation Office, NRCS, SWRCB - Financial Division
- Ag. Water Management Council and CA Urban Water Conservation Council
- Bay-Delta Public Advisory Committee
- Water Plan Public Advisory Committee
- Agency Review completed 2/2006

Who's Using the Information

- Common Assumptions for Surface Storage Investigations - information used for the Plan Formulation Modeling effort
- California Water Plan Update 2005 - complete
- Inform decisions on future WUE funding levels and approach

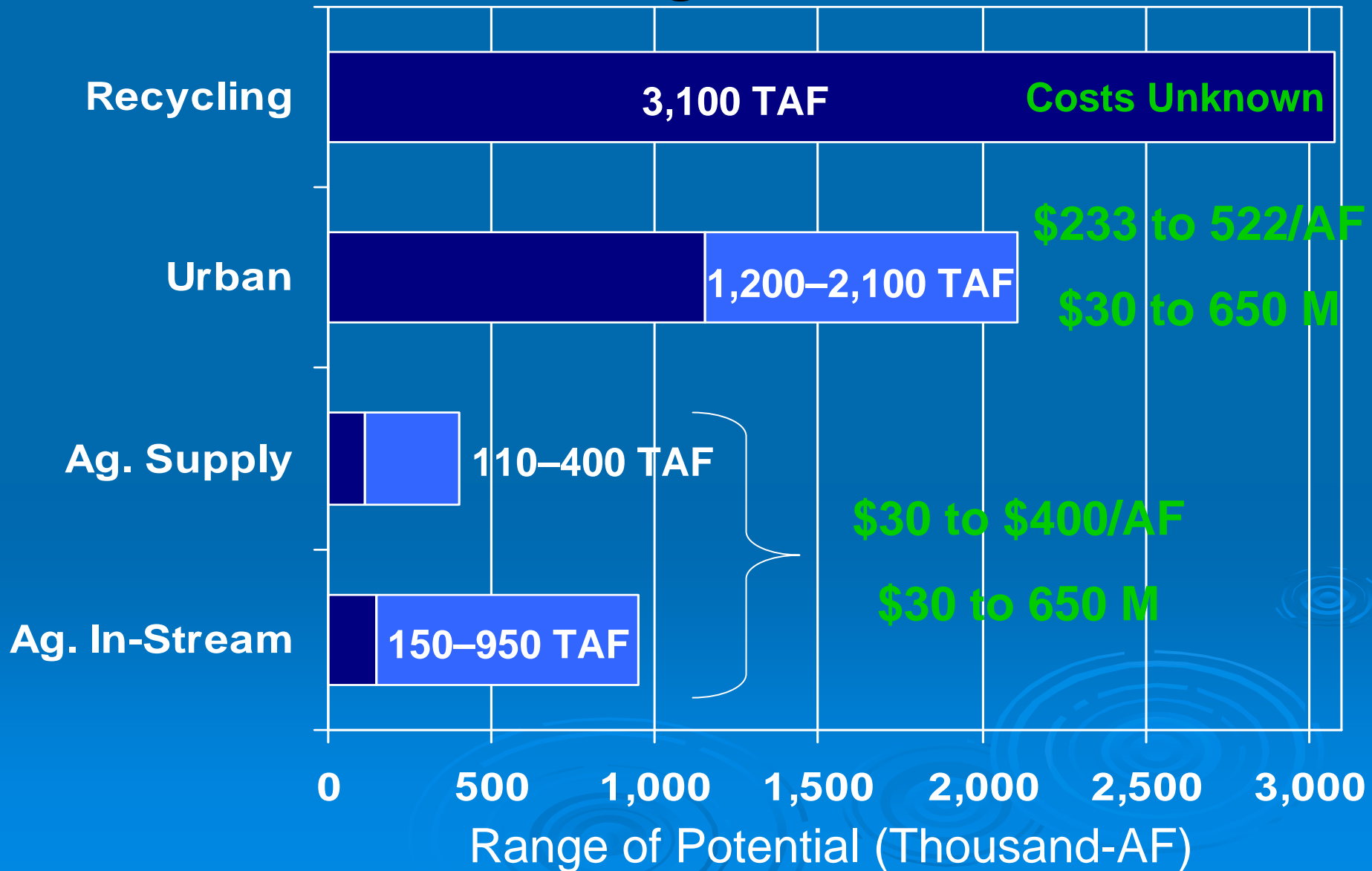
Stage 1 (thru '07) Performance



➤ Does not include IRWMP, Watersheds, etc.

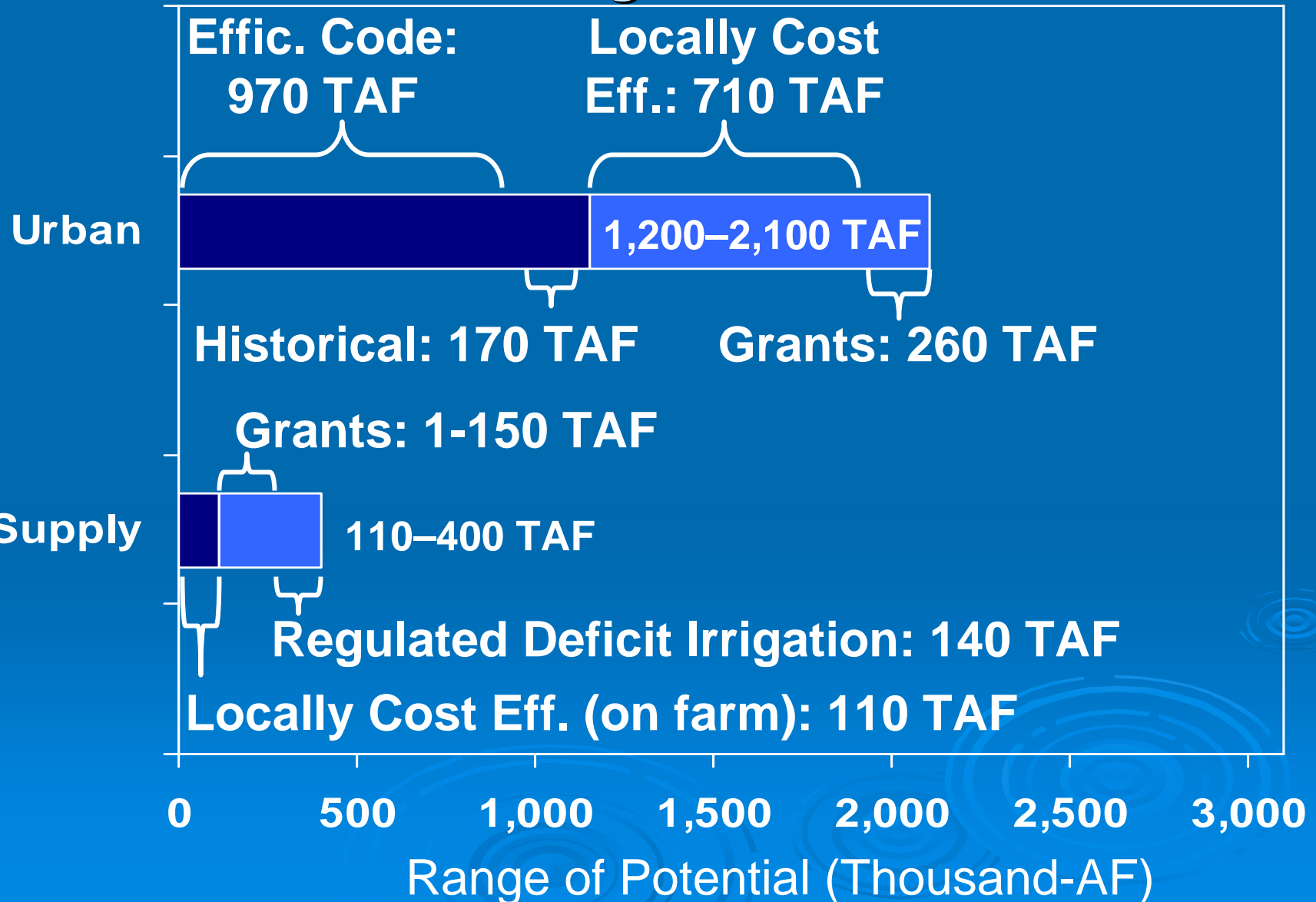
Potential WUE Performance

- Through 2030 -

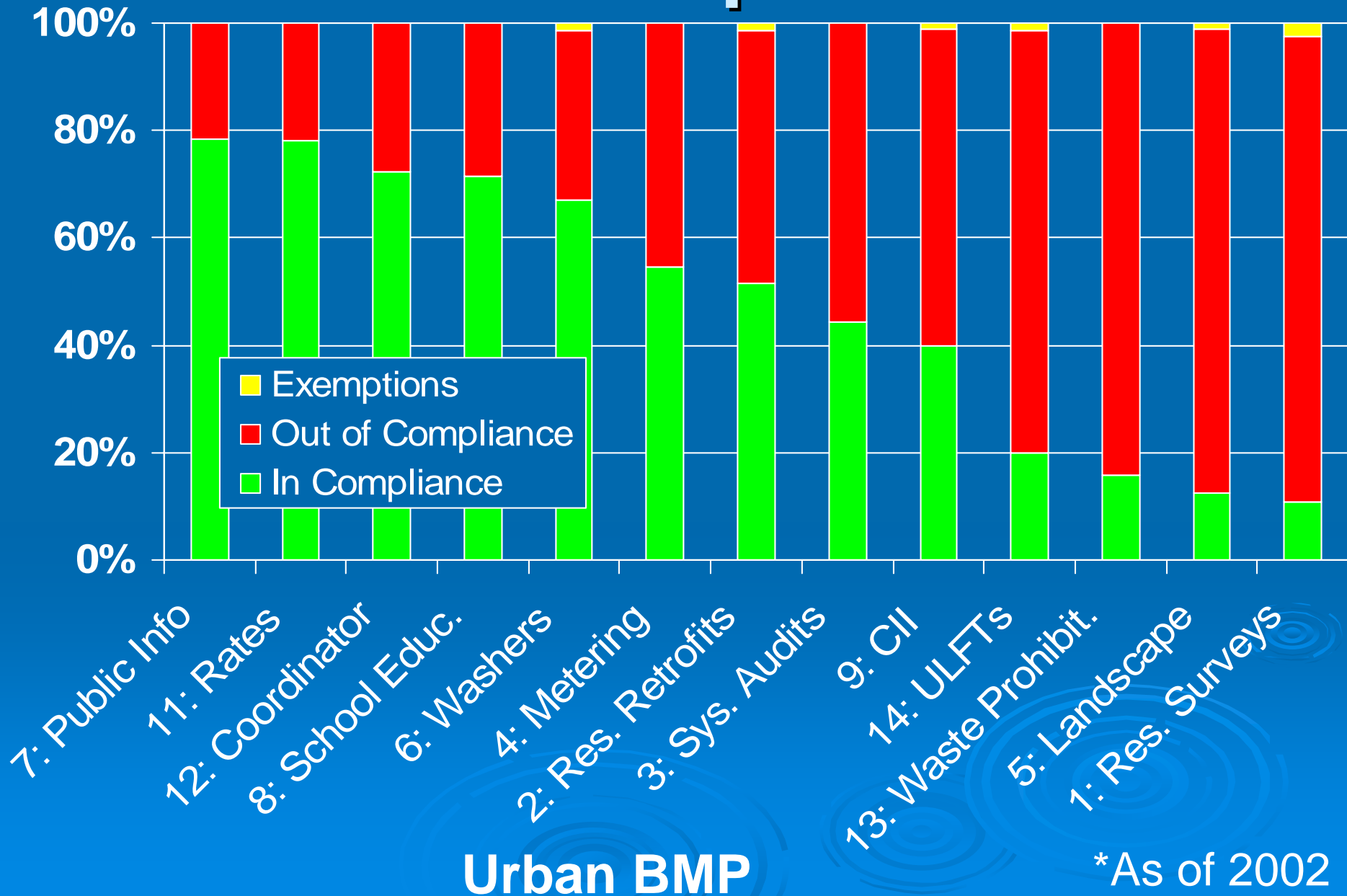


Potential WUE Performance

- Through 2030 -



MOU Compliance*



Report Conclusions

- Ag & Urban Conservation
 - Less \$ and less AF than expected
 - Still a lot of potential (over million AF)
- Can't track Ag Conservation & Recycling past performance because of poor data
- Urban MOU not working as planned – not getting locally cost effective savings
- Big urban water saving from efficiency codes (past & future)

Report Recommendations

➤ Immediate Recommendations

- Reopen Urban BMP Certification
- Continue developing Ag Assurances
- Develop performance measures & collect data
 - More reliable support to Urban Council
 - and Ag Council
- Implement Measurement Approach

Measurement Approach

Approved by CBDA in April 2004 (Res. 04-04-01)

- Develop database & reporting standards*
- Report aggregate farm-gate deliveries*
- Measure & report ag. Diversions*
- ~~➤ Require urban metering*~~ (done)
- Measure crop consumption
- Measure net groundwater use
- Ongoing research and adaptive management

* Requires legislation

Report Recommendations

- Revisit WUE Program Approach
(voluntary, incentive-driven, objective oriented)
 - Assess approach given fiscal constraints
 - Assess effectiveness of Ag Quantifiable Objectives
 - Revisit grant structure & protocols
 - Assess demand for loans
 - Assess demand for technical assistance
 - Develop research priorities & information

Next Steps

- Comments by 6/16/2006 to Mark Roberson
 - mroberson@calwater.ca.gov
- Final due 7/1/2006
- Available under Water Use Efficiency element at www.calwater.ca.gov
- Data files available by request to Mark Roberson

Recommendations

1. Refer to WUE Stakeholder Group
2. Bring back recommendations through BDPAC
3. Understand implications